

Application/Control No.

Applicant(s)/Patent Under Reexamination

10522241

SUGAHARA ET AL.

Examiner

Art Unit

Valentine, Ph.D., Jami M

2815

| ✓ | Rejected | • | Cancelled  |
|---|----------|---|------------|
| = | Allowed  | ÷ | Restricted |

| N | Non-Elected  | ].               |
|---|--------------|------------------|
| ı | Interference | $\left  \right $ |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Claims | renumbered | in the same | order as pr | esented by | applicant |  | ☐ CPA |  | T.D. |  | R.1.47 |
|--------|------------|-------------|-------------|------------|-----------|--|-------|--|------|--|--------|
| CL     | AIM        | DATE        |             |            |           |  |       |  |      |  |        |
| Final  | Original   | 03/22/2007  |             |            |           |  |       |  |      |  |        |
|        | 1          | -           |             |            |           |  |       |  |      |  |        |
|        | 2          | •           |             |            |           |  |       |  |      |  | 1      |
|        | 3          | -           |             |            |           |  |       |  |      |  |        |
|        | 4          | -           |             |            |           |  |       |  |      |  |        |
|        | 5          |             |             |            |           |  |       |  |      |  | _      |
|        | 6          |             |             |            |           |  |       |  |      |  |        |
|        | 7          | -           |             |            |           |  |       |  |      |  |        |
|        | 8          | -           |             |            |           |  |       |  |      |  |        |
|        | 9          | - [         |             |            |           |  |       |  |      |  |        |
|        | 10         | -           |             |            |           |  |       |  |      |  |        |
|        | 11         | -           | <u>-</u>    |            |           |  |       |  |      |  |        |
|        | 12         | -           |             |            |           |  |       |  |      |  |        |
|        | 13         | -           |             |            |           |  |       |  | ] ,  |  |        |
|        | 14         | - 1         |             |            |           |  |       |  |      |  |        |
|        | 15         | - 1         | •           |            |           |  |       |  |      |  |        |
|        | 16         |             |             |            |           |  |       |  |      |  |        |
|        | 17         | -           |             |            |           |  |       |  |      |  |        |
|        | 18         | -           |             |            |           |  |       |  |      |  |        |
|        | 19         |             |             |            |           |  |       |  |      |  |        |
|        | 20         | ·           |             |            |           |  |       |  |      |  |        |
|        | 21         | - 1         |             |            |           |  |       |  |      |  |        |
|        | 22         | -           |             |            |           |  |       |  |      |  |        |
|        | 23         | -           |             |            |           |  |       |  |      |  |        |
|        | 24         | -           |             |            |           |  |       |  |      |  |        |
|        | 25         | -           |             |            |           |  |       |  |      |  |        |
|        | 26         | -           |             |            |           |  |       |  |      |  |        |
|        | 27         | -           |             |            |           |  |       |  |      |  |        |
|        | 28         |             |             |            |           |  |       |  |      |  |        |
|        | 29         | •           |             |            |           |  |       |  |      |  |        |
|        | 30         | -           |             |            |           |  |       |  |      |  |        |
|        | 31         | -           |             |            |           |  |       |  |      |  |        |
|        | 32         | -           |             |            |           |  |       |  |      |  |        |
|        | 33         | -           |             | -          |           |  |       |  |      |  |        |
|        | 34         | -           |             |            |           |  |       |  |      |  |        |
|        | 35         |             | <del></del> |            |           |  |       |  |      |  |        |
|        | 36         |             |             |            |           |  |       |  |      |  |        |



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| Final  | Original   | 03/22/2007    |             |             |           |  |       |  |      |   |          |
|        | 37         | -             |             |             |           |  |       |  |      |   | ļ        |
|        | 38         | -             |             |             | *         |  |       |  |      |   |          |
|        | 39         | -             |             |             |           |  |       |  |      |   |          |
|        | 40         | -             |             |             |           |  |       |  |      |   |          |
|        | 41         | -             |             |             |           |  |       |  |      |   |          |
|        | 42         | -             |             |             |           |  |       |  |      |   |          |
|        | 43         | -             |             |             |           |  |       |  |      |   |          |
|        | 44         | -             |             |             |           |  |       |  |      |   | ļ        |
|        | 45         | -             |             |             |           |  |       |  |      |   |          |
|        | 46         | -             |             |             |           |  |       |  |      |   |          |
|        | 47         | -             |             |             |           |  |       |  |      |   |          |
|        | 48         | -             |             |             |           |  |       |  |      |   |          |
|        | 49         | -             |             |             |           |  |       |  |      |   |          |
|        | 50         | -             |             |             |           |  |       |  |      |   |          |
|        | 51         | -             |             |             |           |  |       |  |      |   |          |
|        | 52         | -             |             |             |           |  |       |  |      |   |          |
|        | 53         | -             |             |             |           |  |       |  |      |   |          |
|        | 54         | - 1           |             |             |           |  |       |  |      |   |          |
|        | 55         | -             |             |             |           |  |       |  |      |   | <u> </u> |
|        | 56         | -             |             |             |           |  |       |  |      |   | _        |
| -      | 57         | -             |             |             |           |  |       |  |      |   |          |
|        | 58         | -             |             |             |           |  |       |  |      |   |          |
|        | 59         | -             |             |             |           |  |       |  |      |   |          |
|        | 60         | -             |             |             |           |  |       |  |      |   |          |
|        | 61         | -             |             |             |           |  |       |  |      |   |          |
|        | 62         |               |             |             |           |  |       |  |      |   |          |
|        | 63         | -             |             |             |           |  |       |  |      |   |          |
|        | 64         | •             |             |             |           |  |       |  |      |   |          |
|        | 65         | -             |             |             |           |  |       |  |      |   |          |
|        | 66         |               |             |             |           |  |       |  |      |   |          |
|        | 67         |               |             |             |           |  |       |  |      |   |          |
|        | 68         | -             |             |             |           |  |       |  |      |   |          |
|        | 69         | •             |             |             |           |  |       |  |      | • |          |
|        | 70         | 1             |             |             |           |  |       |  |      |   |          |
|        | 71         | +             |             |             |           |  |       |  |      |   |          |
|        | 72         | +             |             |             |           |  |       |  |      |   |          |



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| <u> </u>    | N 1 N 4  |            |                                       |          |   | DATE |   |   |          |     |
|-------------|----------|------------|---------------------------------------|----------|---|------|---|---|----------|-----|
| CLA         |          | DATE       |                                       |          |   |      |   |   |          |     |
| Final       | Original | 03/22/2007 |                                       |          |   |      |   |   |          |     |
|             | 73       | +          |                                       |          |   |      | • |   |          |     |
|             | 74       | +          |                                       |          |   |      |   |   |          |     |
|             | 75       | +          |                                       |          |   |      |   |   | <u> </u> |     |
|             | 76       | +          |                                       |          |   |      |   | , |          |     |
|             | 77       | +          |                                       |          |   |      |   |   |          |     |
|             | 78       | +          |                                       |          |   |      |   |   |          |     |
|             | 79       | +          |                                       |          |   |      |   |   |          |     |
|             | 80       | +          |                                       |          |   |      |   |   |          |     |
|             | 81       | +          |                                       |          |   |      |   |   |          |     |
|             | 82       | +          |                                       |          |   |      |   |   |          |     |
|             | 83       | +          |                                       |          |   |      |   |   |          |     |
|             | 84       | +          |                                       |          |   |      |   |   |          |     |
|             | 85       | +          |                                       |          |   |      |   |   |          |     |
|             | 86       | +          |                                       |          |   |      |   |   |          |     |
|             | 87       | +          |                                       |          |   |      |   |   |          |     |
|             | 88       | +          |                                       |          |   |      |   |   |          |     |
|             | 89       | +          |                                       |          |   |      |   |   |          | · · |
| · · · · · · | 90       | +          |                                       |          |   |      |   |   |          |     |
|             | 91       | +          | ,                                     |          |   |      |   |   |          |     |
|             | 92       | +          |                                       |          |   |      |   |   |          |     |
|             | 93       | +          |                                       |          |   |      |   |   |          |     |
|             | 94       | +          |                                       |          |   |      |   |   |          |     |
|             | 95       | +          |                                       |          |   |      |   |   |          |     |
|             | 96       | +          | · · · · · · · · · · · · · · · · · · · | <u> </u> |   |      |   |   |          |     |
|             | 97       | +          |                                       |          |   |      |   |   |          |     |
|             | 98       | +          |                                       |          |   |      |   |   |          |     |
|             | 99       | +          | ·······                               |          |   |      |   |   |          |     |
|             | 100      | +          |                                       |          |   |      |   |   |          |     |
|             | 101      | +          |                                       |          |   |      |   |   |          |     |
|             | 102      | +          |                                       |          |   |      |   |   |          |     |
|             | 103      | +          |                                       |          |   |      |   |   |          |     |
|             | 104      | +          |                                       | <u> </u> | T |      |   |   |          |     |
|             | 105      | +          |                                       |          |   |      |   |   |          |     |
|             | 106      | +          |                                       | <u> </u> |   |      |   |   |          |     |
|             | 107      | +          | <del></del>                           |          |   | l    | 1 |   |          |     |



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| Final | Original   | 03/22/2007 |   |          |  |   |   |                                       |   |   |
|       | 109        | +          |   |          |  |   |   |                                       |   |   |
|       | 110        | +          |   |          |  |   |   |                                       |   |   |
|       | 111        | +          |   |          |  |   |   |                                       |   | ] |
|       | 112        | +          |   |          |  |   |   |                                       |   | 1 |
| -     | 113        | +          |   |          |  |   |   |                                       |   | 1 |
|       | 114        | +          |   |          |  |   |   |                                       |   |   |
|       | 115        | +          |   |          |  |   |   |                                       |   |   |
|       | 116        | +          |   |          |  |   |   |                                       |   |   |
|       | 117        | +          |   |          |  |   |   |                                       |   | 1 |
|       | 118        | +          |   |          |  |   |   |                                       |   | 1 |
|       | 119        | +          |   |          |  |   |   |                                       |   |   |
|       | 120        | +          | - |          |  |   |   |                                       |   |   |
|       | 121        | +          |   |          |  |   |   |                                       |   |   |
|       | 122        | +          |   |          |  |   |   |                                       |   |   |
|       | 123        | +          |   |          |  |   |   |                                       |   |   |
|       | 124        | +          |   |          |  |   |   | ,                                     |   |   |
|       | 125        | +          |   |          |  |   |   |                                       |   |   |
|       | 126        | +          |   |          |  |   |   |                                       |   |   |
| -     | 127        | +          |   |          |  |   |   |                                       |   |   |
|       | 128        | +          |   |          |  |   |   |                                       |   | - |
|       | 129        | -+         |   |          |  |   |   |                                       |   |   |
| - ''' | 130        | +          |   |          |  |   |   |                                       |   |   |
|       | 131        | +          |   |          |  |   |   |                                       |   |   |
|       | 132        | +          |   |          |  |   |   |                                       |   |   |
|       | 133        | +          |   |          |  |   |   |                                       |   |   |
|       | 134        | +          |   |          |  |   |   |                                       |   |   |
|       | 135        | +          |   |          |  |   |   |                                       |   |   |
|       | 136        | +          |   |          |  |   |   |                                       |   |   |
|       | 137        | +          |   |          |  |   |   |                                       |   |   |
|       | 138        | +          |   | <u> </u> |  |   |   |                                       |   |   |
|       | 139        | +          |   | 1        |  |   |   |                                       |   |   |
|       | 140        | +          |   |          |  | 1 | 1 | · · · · · · · · · · · · · · · · · · · | 1 | 1 |

Part of Paper No.: 20070322